

Abstract

A three dimensional (3D) display apparatus a passive array (16) of points (a, b, c) and an array (14) representing the image to be displayed. This second array comprises a set of subarrays (A', B', C'). Each subarray is associated with a corresponding point of the passive array, and each point of each subarray contains an information about a point of the 3D image to display. A light ray from a point (A'5) of a subarray to the associated point (a) of the passive array virtually converges to the corresponding point (P₁) of the 3D image. The position of the 3D image (P₁Q₁) is controlled with respect to the arrays through the control of the direction of said light rays (A'5a, A'7a). The distance (d) between the passive array (16) and the second array (14) is preferably controlled.